Validated By CRFValidator v 1.0.2

Application No: 10699597 Version No: 2.0

Input Set:

Output Set:

Started: 2007-06-06 12:23:13.886
Finished: 2007-06-06 12:23:15.313
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 427 ms
Total Warnings: 25
Total Errors: 0
No. of SeqIDs Defined: 25
Actual SeqID Count: 25

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-06-06 12:23:13.886
Finished: 2007-06-06 12:23:15.313
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 427 ms
Total Warnings: 25
Total Errors: 0
No. of SeqIDs Defined: 25
Actual SeqID Count: 25

Error code	Error Description
	This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Advisys
Baylor College of Medicine

<120> SYNTHETIC MUSCLE PROMOTERS WITH ACTIVITIES EXCEEDING NATURALLY OCCURRING REGULATORY SEQUENCES IN CARDIAC CELLS

<130> 108328.00161 - AVSI-0027

<140> 10699597
<141> 2003-10-30

<150> US 60/423,536
<151> 2002-11-04

<160> 25

<170> PatentIn version 3.3

<210> 1
<211> 21
<212> DNA
<213> artificial sequence

<220>
<223> SRE control elements used in the promoters.

<400> 1
gacacccaaa tatggcgacg g 21

<210> 2
<211> 19
<212> DNA
<213> artificial sequence

<220>
<223> MEF-1 control element used in the promoters

<400> 2
ccaacacctg ctgcctgcc 19

<210> 3
<211> 19
<212> DNA
<213> artificial sequence

<220>
<223> MEF-2 control element used in the promoters.

<400> 3
cgctctaaaa ataactccc 19

<210> 4
<211> 13
<212> DNA
<213> artificial sequence

<220>
<223> TEF-1 control element used in the promoters.

<400> 4
caccattcct cac 13

<210> 5
<211> 335
<212> DNA
<213> artificial sequence

<220>
<223> Nucleic acid sequence of an eukaryotic promoter c5-12.

<400> 5
cggccgtccg ccttcggcac catcctcacg acacccaaat atggcgacgg gtgaggaatg 60

gtggggagtt atttttagag cggtgaggaa ggtgggcagg cagcaggtgt tggcgctcta 120

aaaataactc ccgggagtta tttttagagc ggaggaatgg tggacaccca aatatggcga 180

cggttcctca cccgtcgcca tatttgggtg tccgccctcg gccggggccg cattcctggg 240

ggccgggcgg tgctcccgcc cgcctcgata aaaggctccg gggccggcgg cggcccacga 300

gctacccgga ggagcgggag gcgccaagct ctaga 335

<210> 6
<211> 40
<212> PRT
<213> artificial sequence

<220>
<223> This is the artificial sequence for GHRH (1-40)OH.

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa at position 1 may be tyrosine, or histidine

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa at position 2 may be alanine, valine, or isoleucine.

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Xaa at position 15 may be alanine, valine, or isoleucine.

<220>
<221> MISC_FEATURE
<222> (27)..(27)
<223> Xaa at position 27 may be methionine, or leucine.

<220>
<221> MISC_FEATURE
<222> (28)..(28)
<223> Xaa at position 28 may be serine or asparagine.

<400> 6

Xaa Xaa Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Xaa Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Xaa Xaa Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala
35 40

<210> 7
<211> 3534
<212> DNA
<213> artificial sequence

<220>
<223> Nucleic acid sequence for the HV-GHRH plasmid.

<400> 7
gttgtaaaac gacggccagt gaattgtaat acgactcact atagggcgaa ttggagctcc 60

accgcggtgg cggccgtccg ccctcggcac catcctcacg acacccaaat atggcgacgg 120

gtgaggaatg gtggggagtt atttttagag cggtgaggaa ggtgggcagg cagcaggtgt 180

tggcgctcta aaaataactc ccgggagtta tttttagagc ggaggaatgg tggacaccca 240

aatatggcga cggttcctca cccgtcgcca tatttgggtg tccgccctcg gccggggccg 300

cattcctggg ggccgggcgg tgctcccgcc cgcctcgata aaaggctccg gggccggcgg 360

cggcccacga gctacccgga ggagcgggag gcgccaagct ctagaactag tggatcccaa 420

ggcccaactc cccgaaccac tcagggtcct gtggacagct cacctagctg ccatggtgct 480

ctgggtgttc ttctttgtga tcctcaccct cagcaacagc tcccactgct ccccacctcc 540

ccctttgacc ctcaggatgc ggcggcacgt agatgccatc ttcaccaaca gctaccggaa 600

ggtgctggcc cagctgtccg cccgcaagct gctccaggac atcctgaaca ggcagcaggg 660

agagaggaac caagagcaag gagcataatg actgcaggaa ttcgatatca agcttatcgg 720

ggtggcatcc ctgtgacccc tccccagtgc ctctcctggc cctggaagtt gccactccag 780

tgcccaccag ccttgtccta ataaaattaa gttgcatcat tttgtctgac taggtgtcct 840

tctataatat tatggggtgg aggggggtgg tatggagcaa ggggcaagtt gggaagacaa 900

cctgtagggc ctgcggggtc tattgggaac caagctggag tgcagtggca caatcttggc 960

tcactgcaat ctccgcctcc tgggttcaag cgattctcct gcctcagcct cccgagttgt 1020

tgggattcca ggcatgcatg accaggctca gctaattttt gtttttttgg tagagacggg 1080

gtttcaccat attggccagg ctggtctcca actcctaatc tcaggtgatc tacccacctt 1140

ggcctcccaa attgctggga ttacaggcgt gaaccactgc tcccttccct gtccttctga 1200

ttttaaaata actataccag caggaggacg tccagacaca gcataggcta cctggccatg 1260

cccaaccggt gggacatttg agttgcttgc ttggcactgt cctctcatgc gttgggtcca 1320

ctcagtagat gcctgttgaa ttcgataccg tcgacctcga ggggggggccc ggtaccagct 1380

tttgttccct ttagtgaggg ttaatttcga gcttggcgta atcatggtca tagctgtttc 1440

ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt 1500

gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc 1560

ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 1620

ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct 1680

cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca 1740

cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 1800

accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc 1860

acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg 1920

cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat 1980

acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcatagctca cgctgtaggt 2040

atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa ccccccgttc 2100

agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg gtaagacacg 2160

acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg 2220

gtgctacaga gttcttgaag tggtggccta actacggcta cactagaaga acagtatttg 2280

gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg 2340

gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca 2400

gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagaaga 2460

actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagcggcg ataccgtaaa 2520

gcacgaggaa gcggtcagcc cattcgccgc caagctcttc agcaatatca cgggtagcca 2580

acgctatgtc ctgatagcgg tccgccacac ccagccggcc acagtcgatg aatccagaaa 2640

agcggccatt ttccaccatg atattcggca agcaggcatc gccatgggtc acgacgagat 2700

cctcgccgtc gggcatgcgc gccttgagcc tggcgaacag ttcggctggc gcgagcccct 2760

gatgctcttc gtccagatca tcctgatcga caagaccggc ttccatccga gtacgtgctc 2820

gctcgatgcg atgtttcgct tggtggtcga atgggcaggt agccggatca agcgtatgca 2880

gccgccgcat tgcatcagcc atgatggata ctttctcggc aggagcaagg tgagatgaca 2940

ggagatcctg ccccggcact tcgcccaata gcagccagtc ccttcccgct tcagtgacaa 3000

cgtcgagcac agctgcgcaa ggaacgcccg tcgtggccag ccacgatagc cgcgctgcct 3060

cgtcctgcag ttcattcagg gcaccggaca ggtcggtctt gacaaaaaga accgggcgcc 3120

cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt tgtgcccagt 3180

catagccgaa tagcctctcc acccaagcgg ccggagaacc tgcgtgcaat ccatcttgtt 3240

caatcatgcg aaacgatcct catcctgtct cttgatcaga tcttgatccc ctgcgccatc 3300

agatccttgg cggcaagaaa gccatccagt ttactttgca gggcttccca accttaccag 3360

agggcgcccc agctggcaat tccggttcgc ttgctgtcca taaaaccgcc cagtctagca 3420

actgttggga agggcgatcg gtgcgggcct cttcgctatt acgccagctg gcgaaagggg 3480

gatgtgctgc aaggcgatta agttgggtaa cgccagggtt ttcccagtca cgac 3534

<210> 8
<211> 3534
<212> DNA
<213> artificial sequence

<220>
<223> Nucleic acid sequence for the TI-GHRH plasmid.

<400> 8
gttgtaaaac gacggccagt gaattgtaat acgactcact atagggcgaa ttggagctcc 60

accgcggtgg cggccgtccg ccctcggcac catcctcacg acacccaaat atggcgacgg 120

gtgaggaatg gtggggagtt atttttagag cggtgaggaa ggtgggcagg cagcaggtgt 180

tggcgctcta aaaataactc ccgggagtta ttttagagc ggaggaatgg tggacaccca 240

aatatggcga cggttcctca cccgtcgcca tatttgggtg tccgccctcg gccggggccg 300

cattcctggg ggccgggcgg tgctcccgcc cgcctcgata aaaggctccg gggccggcgg 360

cggcccacga gctacccgga ggagcgggag gcgccaagct ctagaactag tggatcccaa 420

ggcccaactc cccgaaccac tcagggtcct gtggacagct cacctagctg ccatggtgct 480

ctgggtgttc ttctttgtga tcctcaccct cagcaacagc tcccactgct ccccacctcc 540

ccctttgacc ctcaggatgc ggcggtatat cgatgccatc ttcaccaaca gctaccggaa 600

ggtgctggcc cagctgtccg cccgcaagct gctccaggac atcctgaaca ggcagcaggg 660

agagaggaac caagagcaag gagcataatg actgcaggaa ttcgatatca agcttatcgg 720

ggtggcatcc ctgtgacccc tccccagtgc ctctcctggc cctggaagtt gccactccag 780

tgcccaccag ccttgtccta ataaaattaa gttgcatcat tttgtctgac taggtgtcct 840

tctataatat tatggggtgg aggggggtgg tatggagcaa ggggcaagtt gggaagacaa 900

cctgtagggc ctgcggggtc tattgggaac caagctggag tgcagtggca caatcttggc 960

tcactgcaat ctccgcctcc tgggttcaag cgattctcct gcctcagcct cccgagttgt 1020

tgggattcca ggcatgcatg accaggctca gctaattttt gtttttttgg tagagacggg 1080

gtttcaccat attggccagg ctggtctcca actcctaatc tcaggtgatc tacccacctt 1140

ggcctcccaa attgctggga ttacaggcgt gaaccactgc tcccttccct gtccttctga 1200

ttttaaaata actataccag caggaggacg tccagacaca gcataggcta cctggccatg 1260

cccaaccggt gggacatttg agttgcttgc ttggcactgt cctctcatgc gttgggtcca 1320

ctcagtagat gcctgttgaa ttcgataccg tcgacctcga gggggggccc ggtaccagct 1380

tttgttccct ttagtgaggg ttaatttcga gcttggcgta atcatggtca tagctgtttc 1440

ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt 1500

gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc 1560

ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 1620

ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct 1680

cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca 1740

cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 1800

accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc 1860

acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg 1920

cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat 1980

acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcatagctca cgctgtaggt 2040

atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa cccccgttc 2100

agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg gtaagacacg 2160

acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg 2220

gtgctacaga gttcttgaag tggtggccta actacggcta cactagaaga acagtatttg 2280

gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg 2340

gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca 2400

gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagaaga 2460

actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagcggcg ataccgtaaa 2520

gcacgaggaa gcggtcagcc cattcgccgc caagctcttc agcaatatca cgggtagcca 2580

acgctatgtc ctgatagcgg tccgccacac ccagccggcc acagtcgatg aatccagaaa 2640

agcggccatt ttccaccatg atattcggca agcaggcatc gccatgggtc acgacgagat 2700

cctcgccgtc gggcatgcgc gccttgagcc tggcgaacag ttcggctggc gcgagcccct 2760

gatgctcttc gtccagatca tcctgatcga caagaccggc ttccatccga gtacgtgctc 2820

gctcgatgcg atgtttcgct tggtggtcga atgggcaggt agccggatca agcgtatgca 2880

gccgccgcat tgcatcagcc atgatggata ctttctcggc aggagcaagg tgagatgaca 2940

ggagatcctg ccccggcact tcgcccaata gcagccagtc ccttcccgct tcagtgacaa 3000

cgtcgagcac agctgcgcaa ggaacgcccg tcgtggccag ccacgatagc cgcgctgcct 3060

cgtcctgcag ttcattcagg gcaccggaca ggtcggtctt gacaaaaaga accgggcgcc 3120

cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt tgtgcccagt 3180

catagccgaa tagcctctcc acccaagcgg ccggagaacc tgcgtgcaat ccatcttgtt 3240

caatcatgcg aaacgatcct catcctgtct cttgatcaga tcttgatccc ctgcgccatc 3300

agatccttgg cggcaagaaa gccatccagt ttactttgca gggcttccca accttaccag 3360

agggcgcccc agctggcaat tccggttcgc ttgctgtcca taaaaccgcc cagtctagca 3420

actgttggga agggcgatcg gtgcgggcct cttcgctatt acgccagctg gcgaaagggg 3480

gatgtgctgc aaggcgatta agttgggtaa cgccagggtt ttcccagtca cgac 3534

<210> 9
<211> 3534
<212> DNA
<213> artificial sequence

<220>
<223> Nucleic acid sequence for the TV-GHRH plasmid.

<400> 9
gttgtaaaac gacggccagt gaattgtaat acgactcact atagggcgaa ttggagctcc   60

accgcggtgg cggccgtccg ccctcggcac catcctcacg acacccaaat atggcgacgg   120

gtgaggaatg gtggggagtt atttttagag cggtgaggaa ggtgggcagg cagcaggtgt   180

tggcgctcta aaaataactc ccgggagtta tttttagagc ggaggaatgg tggacaccca   240

aatatggcga cggttcctca cccgtcgcca tatttgggtg tccgccctcg gccggggccg   300

cattcctggg ggccgggcgg tgctcccgcc cgcctcgata aaaggctccg gggccggcgg   360

cggcccacga gctacccgga ggagcgggag gcgccaagct ctagaactag tggatcccaa   420

ggcccaactc cccgaaccac tcagggtcct gtggacagct cacctagctg ccatggtgct   480

ctgggtgttc ttctttgtga tcctcaccct cagcaacagc tcccactgct ccccacctcc   540

ccctttgacc ctcaggatgc ggcggtatgt agatgccatc ttcaccaaca gctaccggaa   600

ggtgctggcc cagctgtccg cccgcaagct gctccaggac atcctgaaca ggcagcaggg   660

agagaggaac caagagcaag gagcataatg actgcaggaa ttcgatatca agcttatcgg   720

ggtggcatcc ctgtgacccc tccccagtgc ctctcctggc cctggaagtt gccactccag   780

tgcccaccag ccttgtccta ataaaattaa gttgcatcat tttgtctgac taggtgtcct   840

tctataatat tatggggtgg aggggggtgg tatggagcaa ggggcaagtt gggaagacaa   900

cctgtagggc ctgcggggtc tattgggaac caagctggag tgcagtggca caatcttggc   960

tcactgcaat ctccgcctcc tgggttcaag cgattctcct gcctcagcct cccgagttgt   1020

tgggattcca ggcatgcatg accaggctca gctaattttt gtttttttgg tagagacggg   1080

gtttcaccat attggccagg ctggtctcca actcctaatc tcaggtgatc tacccacctt   1140

ggcctcccaa attgctggga ttacaggcgt gaaccactgc tcccttccct gtccttctga   1200

ttttaaaata actataccag caggaggacg tccagacaca gcataggcta cctggccatg   1260

cccaaccggt gggacatttg agttgcttgc ttggcactgt cctctcatgc gttgggtcca   1320

ctcagtagat gcctgttgaa ttcgataccg tcgacctcga ggggggggccc ggtaccagct   1380

tttgttccct ttagtgaggg ttaatttcga gcttggcgta atcatggtca tagctgtttc   1440

ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt   1500

gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc   1560

ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 1620

ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct 1680

cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca 1740

cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 1800

accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc 1860

acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg 1920

cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat 1980

acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcatagctca cgctgtaggt 2040

atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa ccccccgttc 2100

agcccgaccg ctgcgcctta tccggtaact atcgtcttga gtccaacccg gtaagacacg 2160

acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg 2220

gtgctacaga gttcttgaag tggtggccta actacggcta cactagaaga acagtatttg 2280

gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg 2340

gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca 2400

gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagaaga 2460

actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagcggcg ataccgtaaa 2520

gcacgaggaa gcggtcagcc cattcgccgc caagctcttc agcaatatca cgggtagcca 2580

acgctatgtc ctgatagcgg tccgccacac ccagccggcc acagtcgatg aatccagaaa 2640

agcggccatt ttccaccatg atattcggca agcaggcatc gccatgggtc acgacgagat 2700

cctcgccgtc gggcatgcgc gccttgagcc tggcgaacag ttcggctggc gcgagcccct 2760

gatgctcttc gtccagatca tcctgatcga caagaccggc ttccatccga gtacgtgctc 2820

gctcgatgcg atgtttcgct tggtggtcga atgggcaggt agccggatca agcgtatgca 2880

gccgccgcat tgcatcagcc atgatggata ctttctcggc aggagcaagg tgagatgaca 2940

ggagatcctg ccccggcact tcgcccaata gcagccagtc ccttcccgct tcagtgacaa 3000

cgtcgagcac agctgcgcaa ggaacgcccg tcgtggccag ccacgatagc cgcgctgcct 3060

cgtcctgcag ttcattcagg gcaccggaca ggtcggtctt gacaaaaaga accgggcgcc 3120

cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt tgtgcccagt 3180

catagccgaa tagcctctcc acccaagcgg ccggagaacc tgcgtgcaat ccatcttgtt 3240

caatcatgcg aaacgatcct catcctgtct cttgatcaga tcttgatccc ctgcgccatc 3300

agatccttgg cggcaagaaa gccatccagt ttactttgca gggcttccca accttaccag 3360

agggcgcccc agctggcaat tccggttcgc ttgctgtcca taaaaccgcc cagtctagca 3420

actgttggga agggcgatcg gtgcgggcct cttcgctatt acgccagctg gcgaaagggg 3480

gatgtgctgc aaggcgatta agttgggtaa cgccagggtt ttcccagtca cgac 3534

<210> 10
<211> 3534
<212> DNA
<213> artificial sequence

<220>
<223> Nucleic acid sequence for the 15/27/28 GHRH plasmid.

<400> 10
gttgtaaaac gacggccagt gaattgtaat acgactcact atagggcgaa ttggagctcc 60

accgcggtgg cggccgtccg ccctcggcac catcctcacg acacccaaat atggcgacgg 120

gtgaggaatg gtggggagtt atttttagag cggtgaggaa ggtgggcagg cagcaggtgt 180

tggcgctcta aaaataactc ccgggagtta tttttagagc ggaggaatgg tggacaccca 240

aatatggcga cggttcctca cccgtcgcca tatttgggtg tccgccctcg gccggggccg 300

cattcctggg ggccgggcgg tgctcccgcc cgcctcgata aaaggctccg gggccggcgg 360

cggcccacga gctacccgga ggagcgggag gcgccaagct ctagaactag tggatcccaa 420

ggcccaactc cccgaaccac tcagggtcct gtggacagct cacctagctg ccatggtgct 480

ctgggtgttc ttctttgtga tcctcaccct cagcaacagc tcccactgct ccccacctcc 540

ccctttgacc ctcaggatgc ggcggtatat cgatgccatc ttcaccaaca gctaccggaa 600

ggtgctggcc cagctgtccg cccgcaagct gctccaggac atcctgaaca ggcagcaggg 660

agagaggaac caagagcaag gagcataatg actgcaggaa ttcgatatca agcttatcg